

FIGURE 1

FR1

Y1WT-TAC	CAAGTGAAGC	TGCTGGAGTC	TGCGCGAGGC	TTAGTGAAGC	TTGAGCGGTC	GCTGAAGCTC	TCCTGTCCAG	CCTCTGGATT	CACCTTCAGT
SP7	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP8	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP9	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP10	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP11	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP12	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR35	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR36	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR37	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR38	-----	-----	-----	-----	-----	-----	-----	-----	-----

CDR1

FR2

CDR2

Y1WT-TAC	AGGTATTACA	TGTCTTCGCT	TGCGCGAGCT	CCAGACAAGA	GGCTGGAGTT	GCTGGCAGCC	ATTAATAGTA	ATGCTGCTAG	CACCTACTAT
SP7	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP8	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP9	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP10	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP11	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP12	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR35	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR36	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR37	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR38	-----	-----	-----	-----	-----	-----	-----	-----	-----

FR3

Y1WT-TAC	CCAGACACTC	TGAAGCGCGC	ATTCAACATC	TCCAGACACA	ATGCCAATAA	CACCTGTATC	CTGCAATGCA	GCAGTCTGAA	CTCTGAGGAC
SP7	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP8	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP9	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP10	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP11	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP12	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR35	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR36	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR37	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR38	-----	-----	-----	-----	-----	-----	-----	-----	-----

CDR3

FR4

Y1WT-TAC	ACAGCCTTGT	ATTACTGTCC	AAGAAAGCTA	CCCTACTCTC	ATGCTATGCA	CTACTCGCGT	CAAGGAACCT	CAGTCACCGT	CTCCTCAGGT
SP7	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP8	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP9	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP10	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP11	-----	-----	-----	-----	-----	-----	-----	-----	-----
SP12	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR35	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR36	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR37	-----	-----	-----	-----	-----	-----	-----	-----	-----
TR38	-----	-----	-----	-----	-----	-----	-----	-----	-----

Y1WT-TAC	AAGAATGGCC	TCTCCAGGTC	TTTATTTTAA	ACCTTTGTGA	TGAGTTTTC	TGAGCAATTC	AG
SP7	-----	-----	-----	-----	-----	-----	-----
SP8	-----	-----	-----	-----	-----	-----	-----
SP9	-----	-----	-----	-----	-----	-----	-----
SP10	-----	-----	-----	-----	-----	-----	-----
SP11	-----	-----	-----	-----	-----	-----	-----
SP12	-----	-----	-----	-----	-----	-----	-----
TR35	-----	-----	-----	-----	-----	-----	-----
TR36	-----	-----	-----	-----	-----	-----	-----
TR37	-----	-----	-----	-----	-----	-----	-----
TR38	-----	-----	-----	-----	-----	-----	-----

FIGURE 2

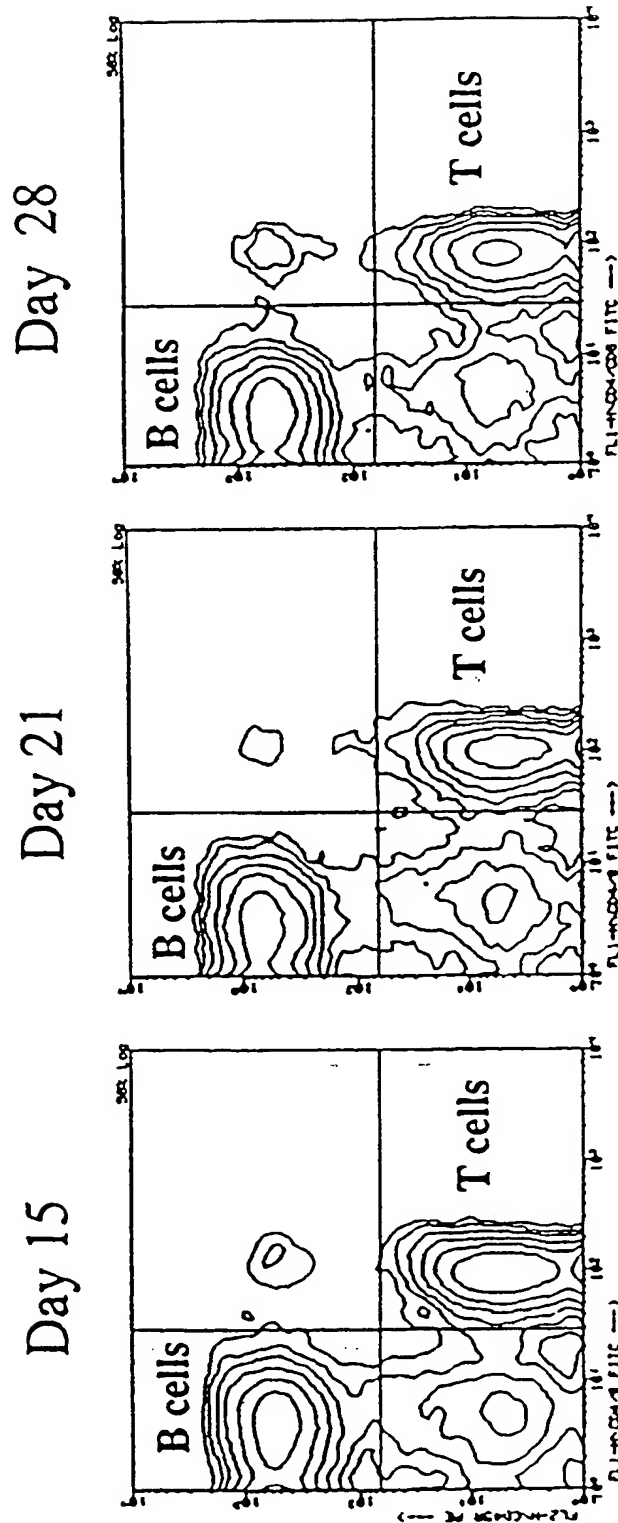


FIGURE 3

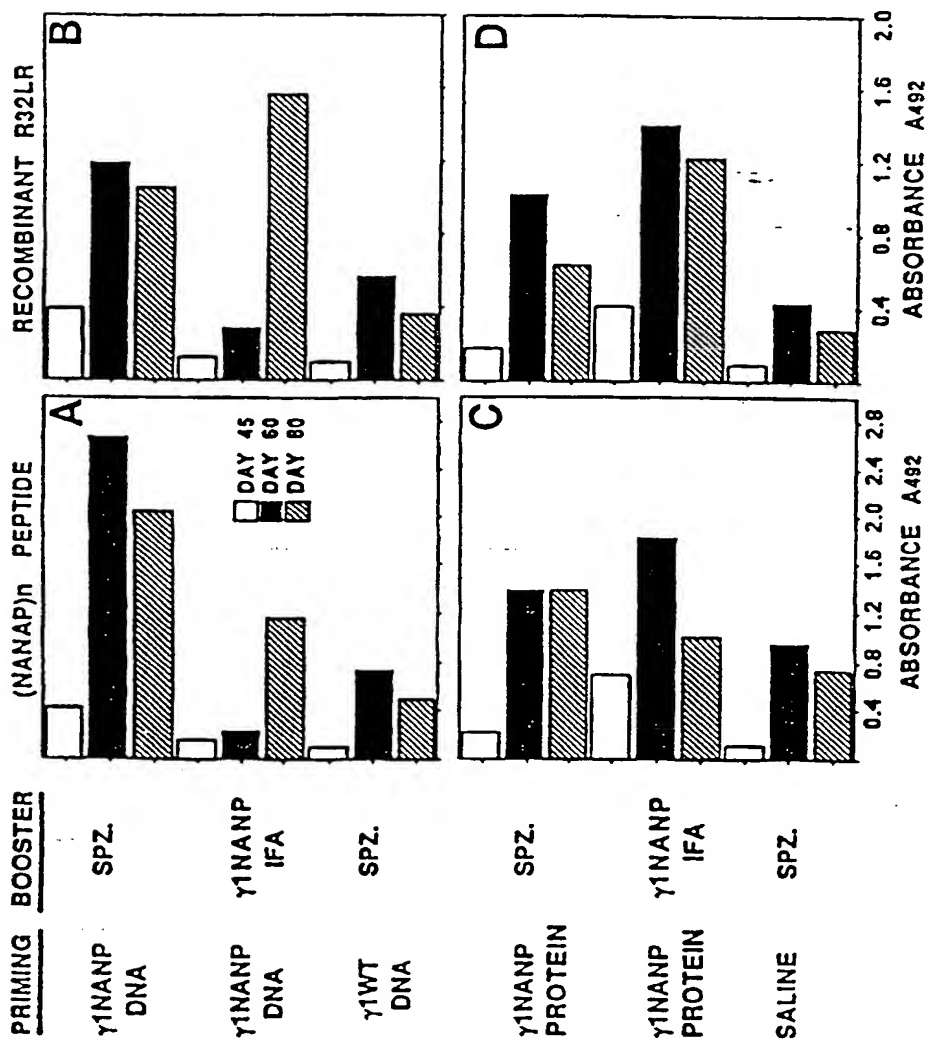


FIGURE 4

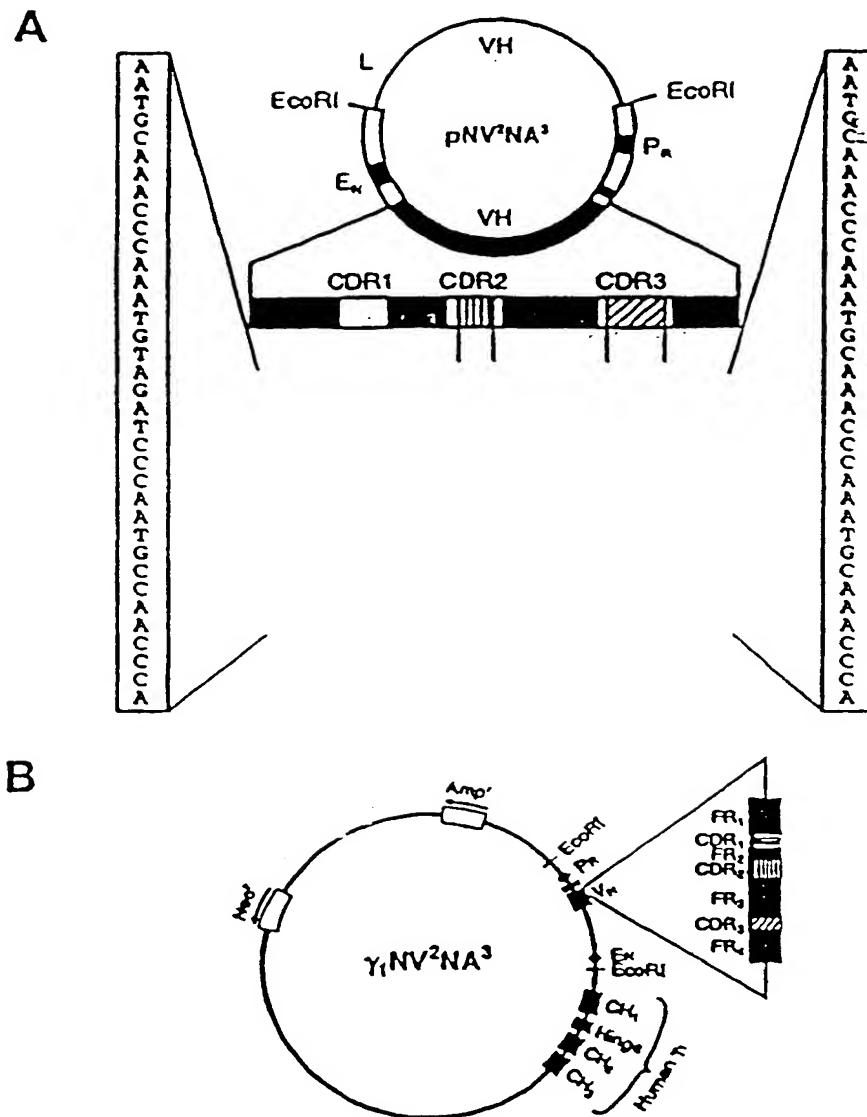


FIGURE 5

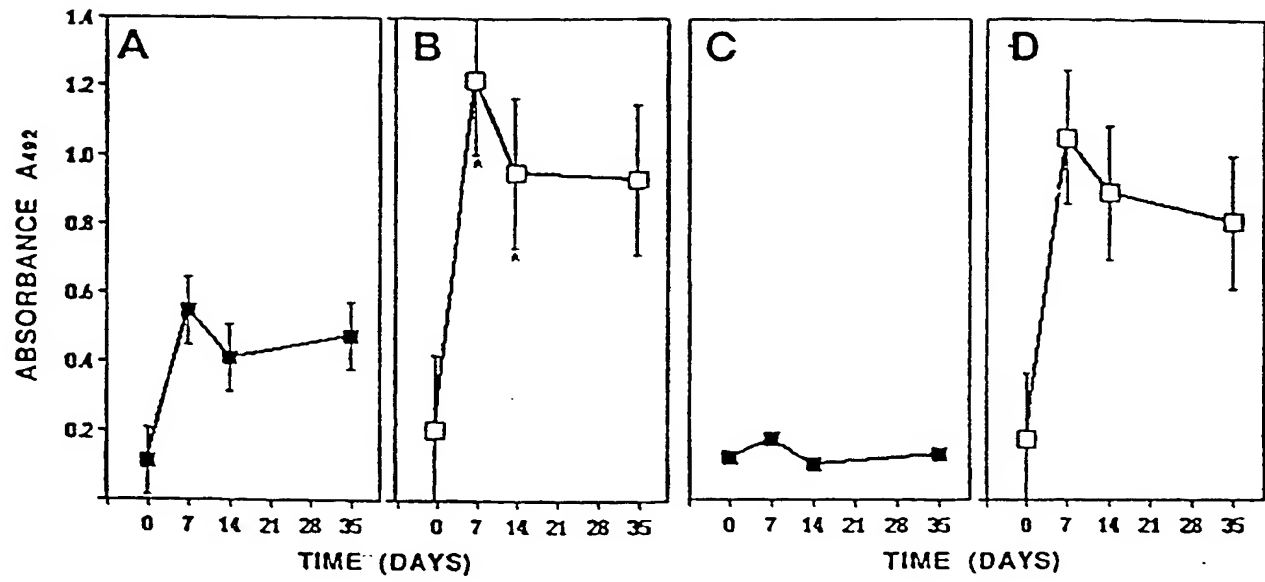


FIGURE 6

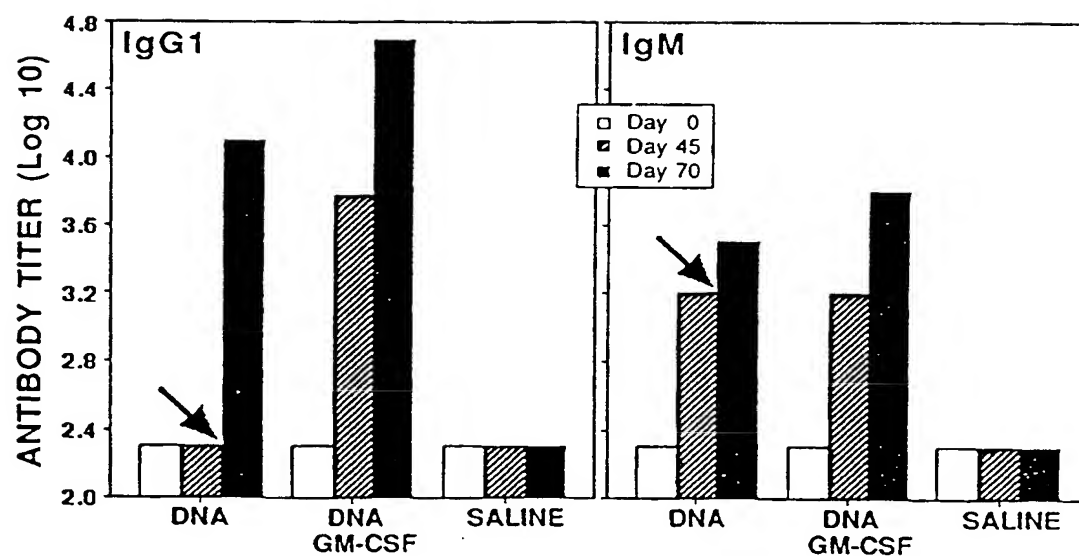


FIGURE 7

10037003/05230203

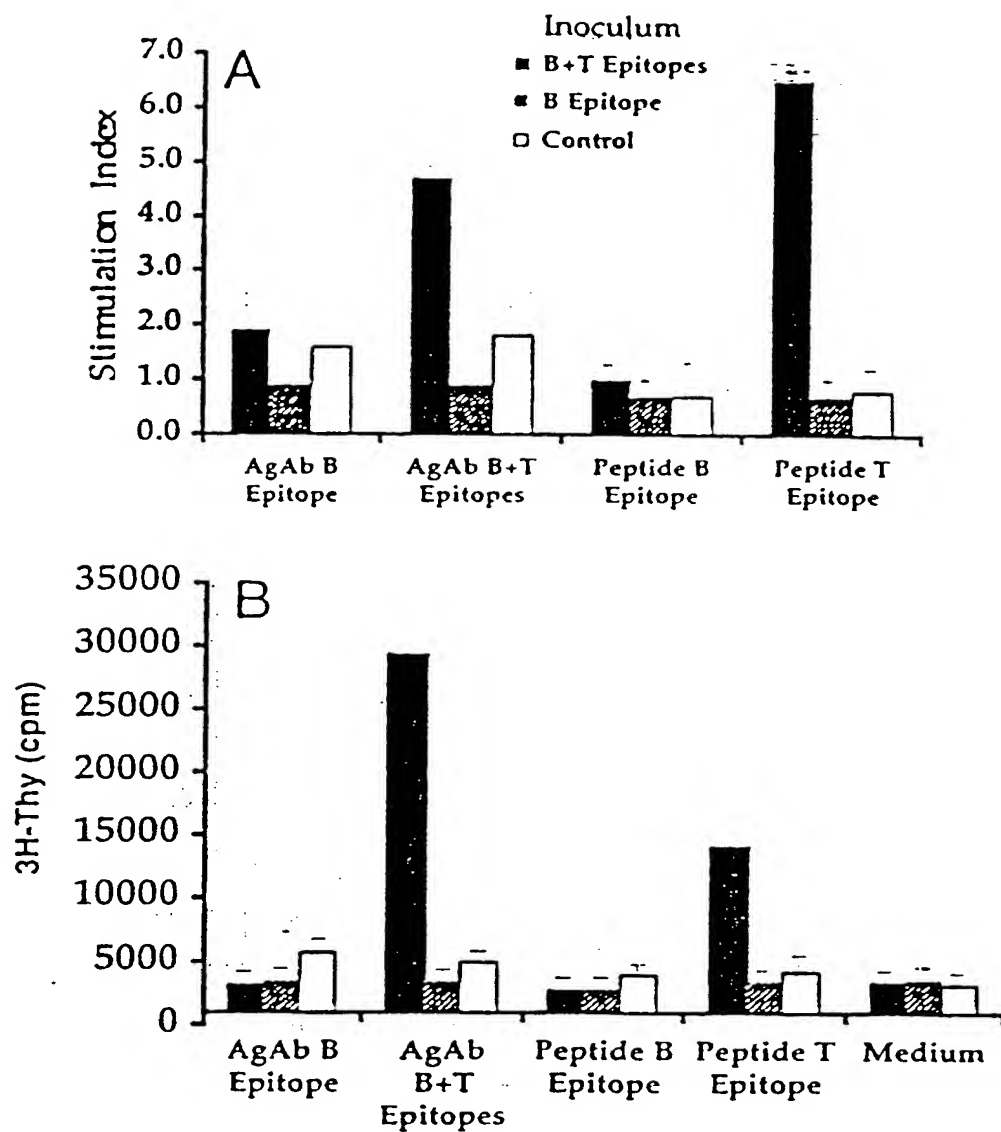


FIGURE 8

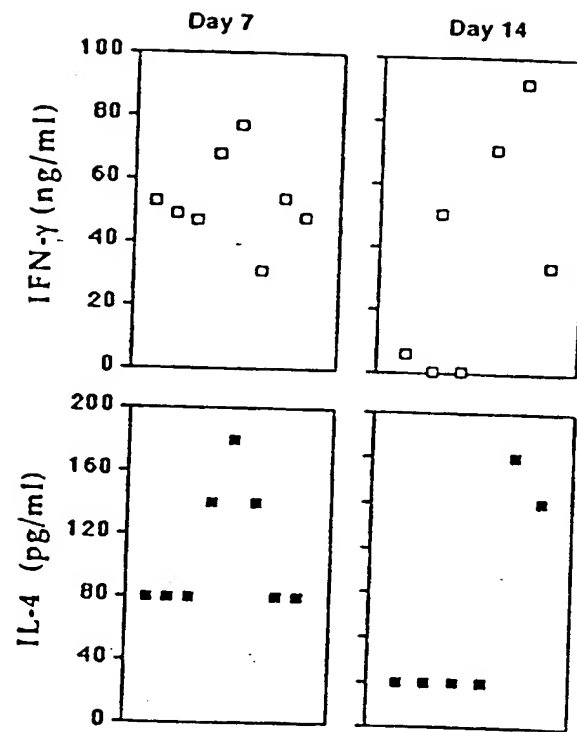


FIGURE 9

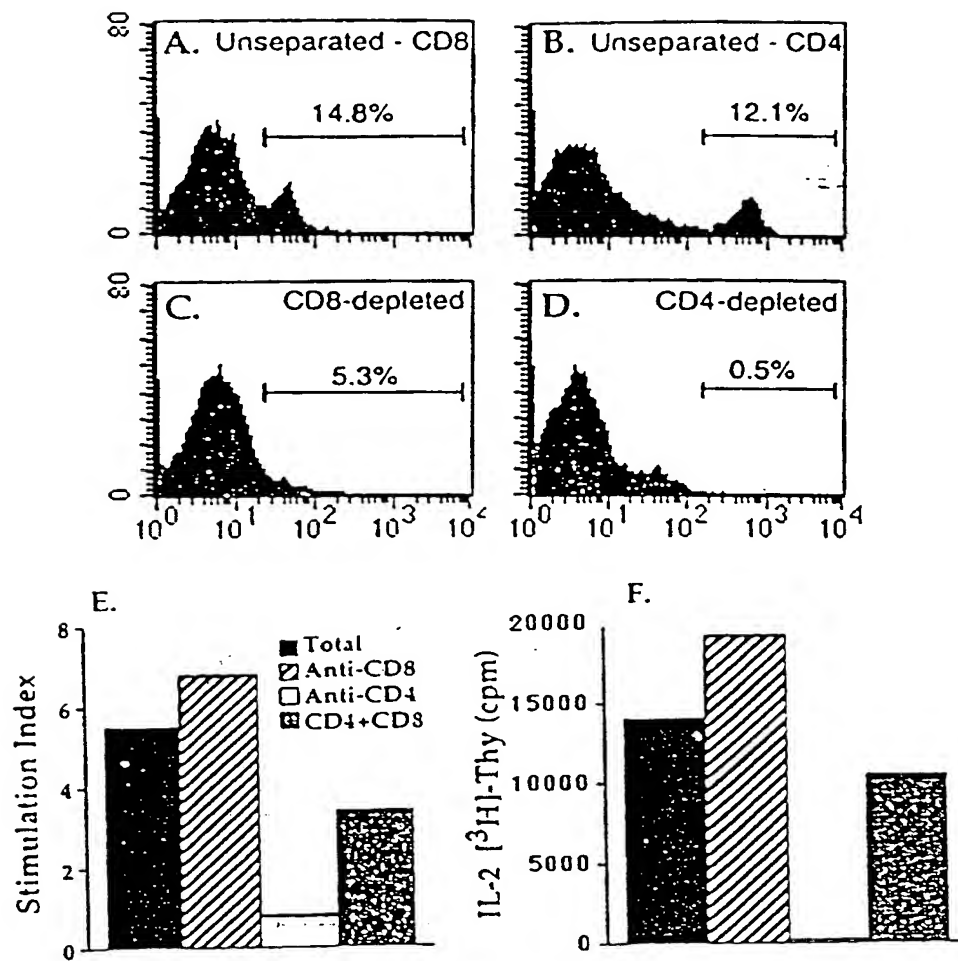


FIGURE 10

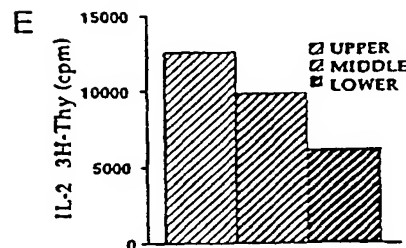
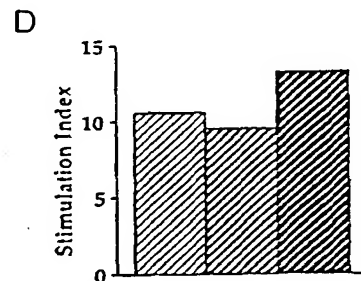
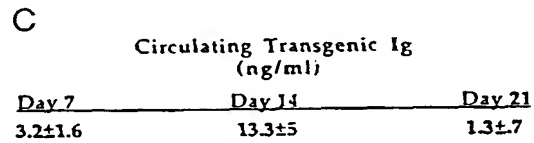
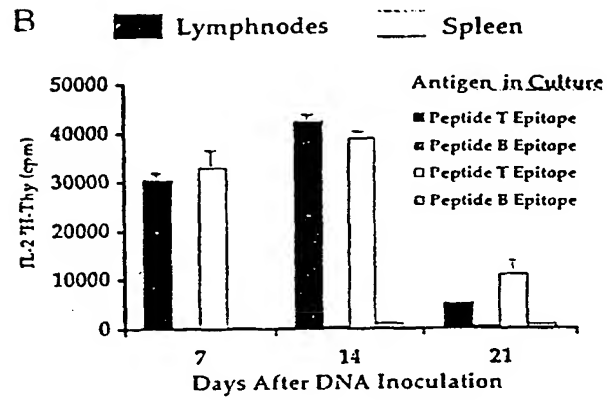
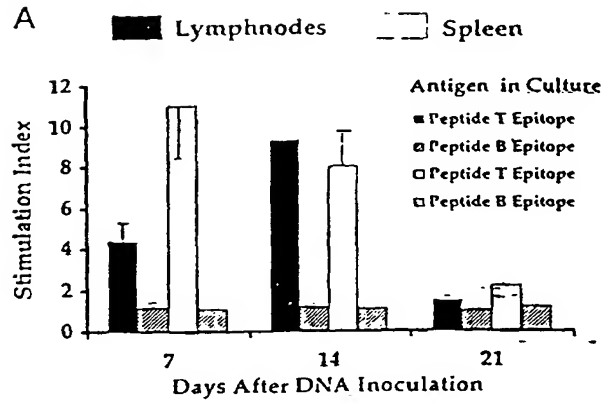
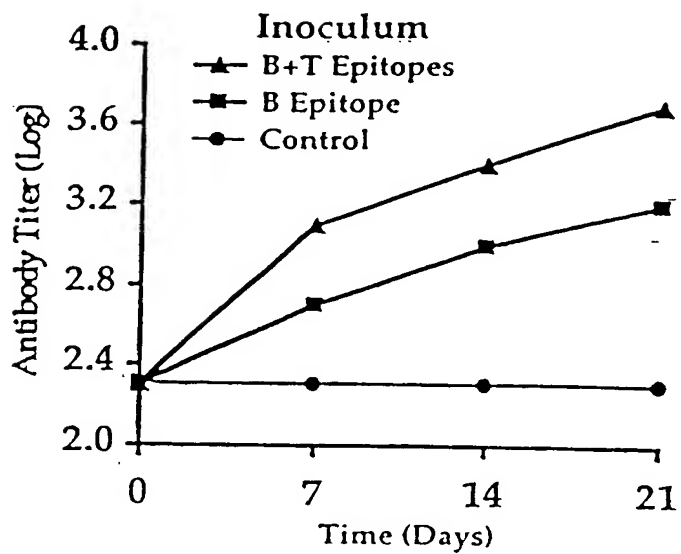
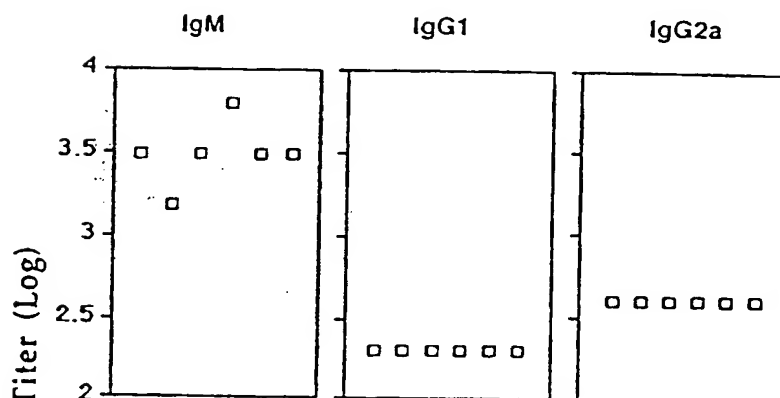


FIGURE 11

A



B



C

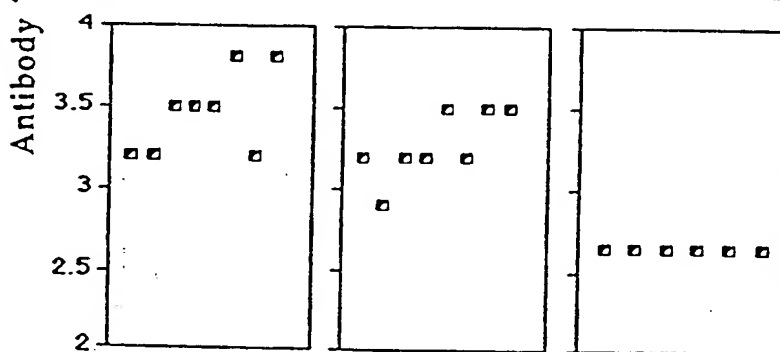


FIGURE 12

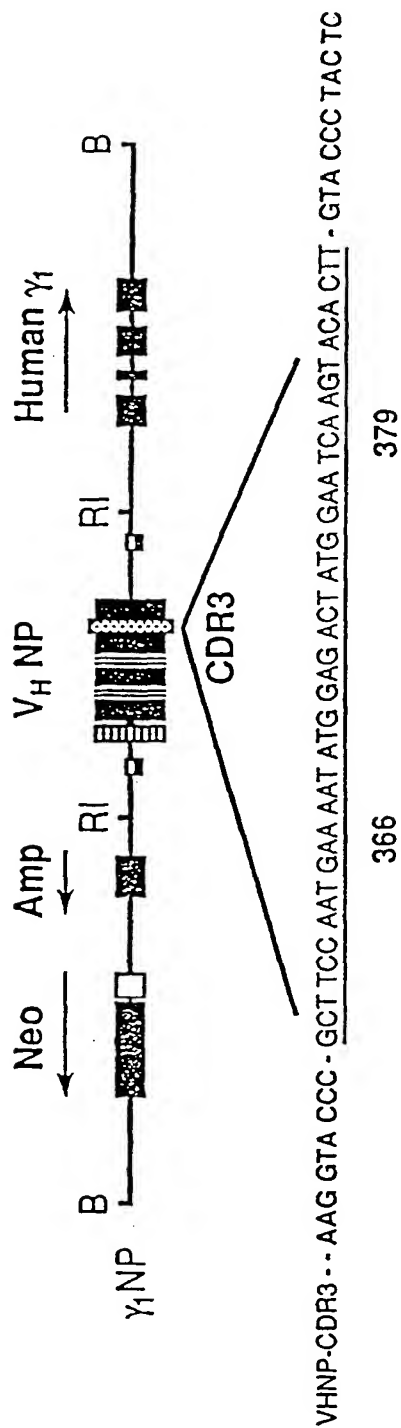
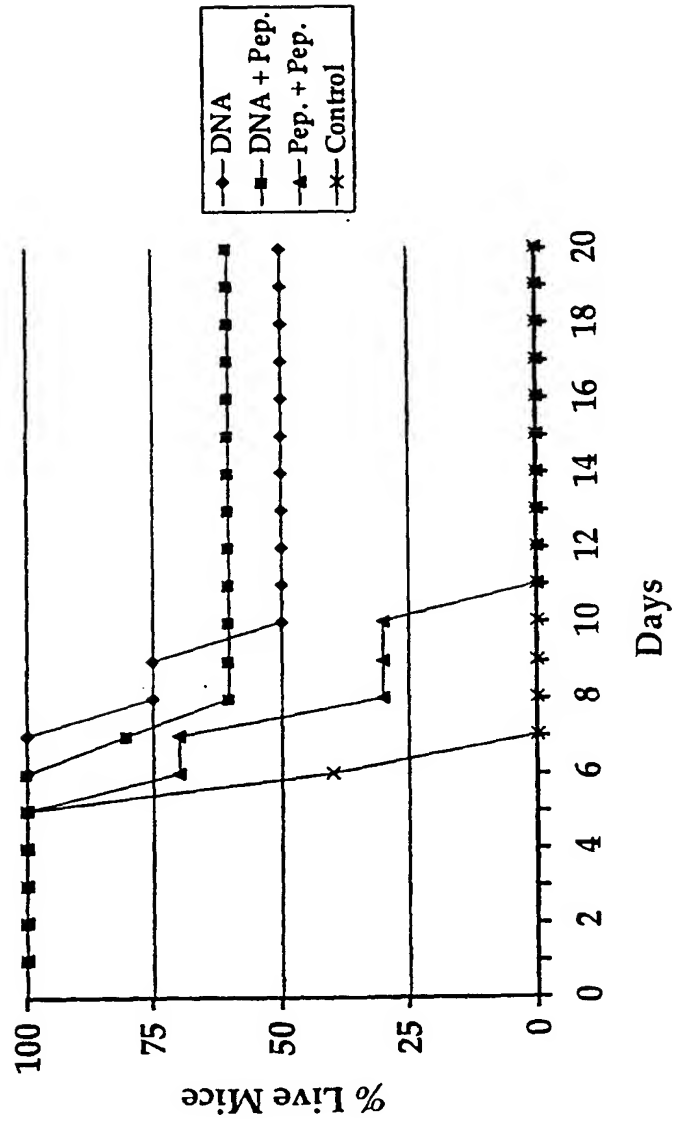


FIGURE 13

Figure 14

Protection Against Infection by Influenza



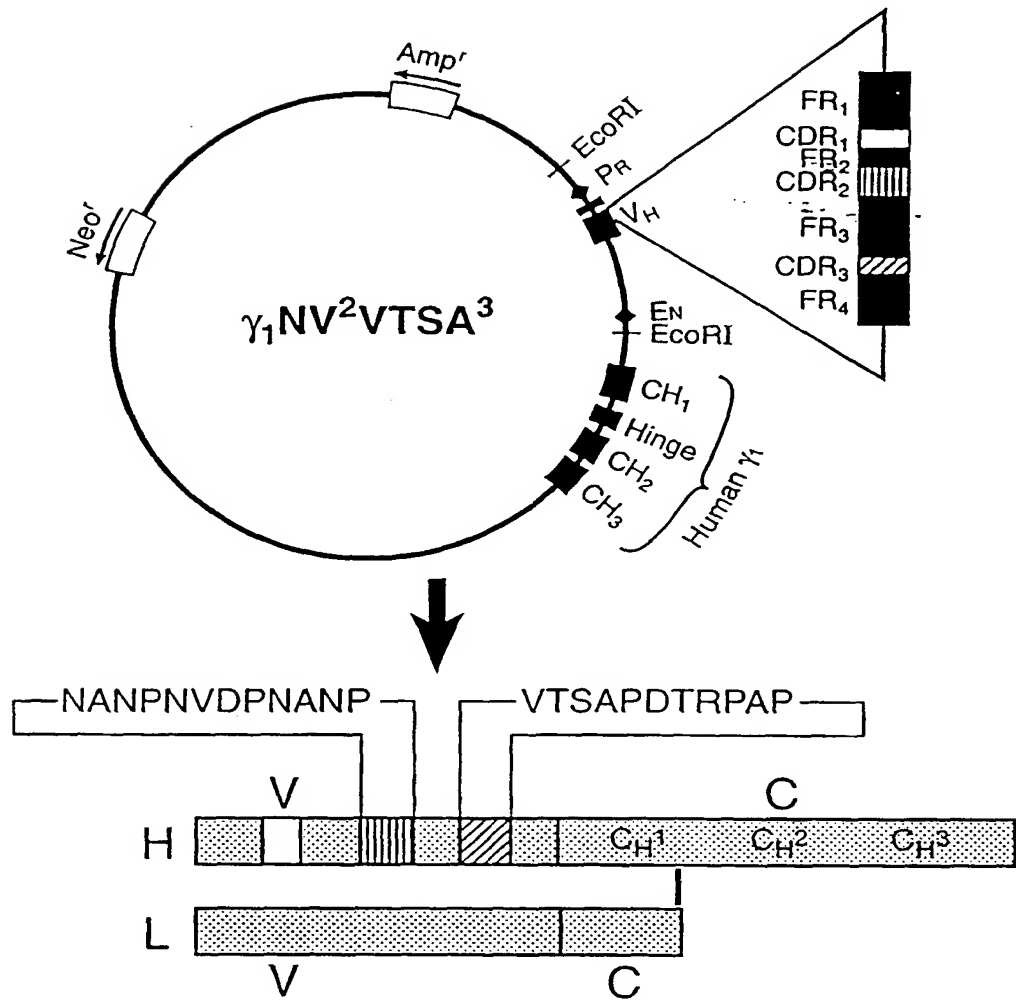


FIGURE 15

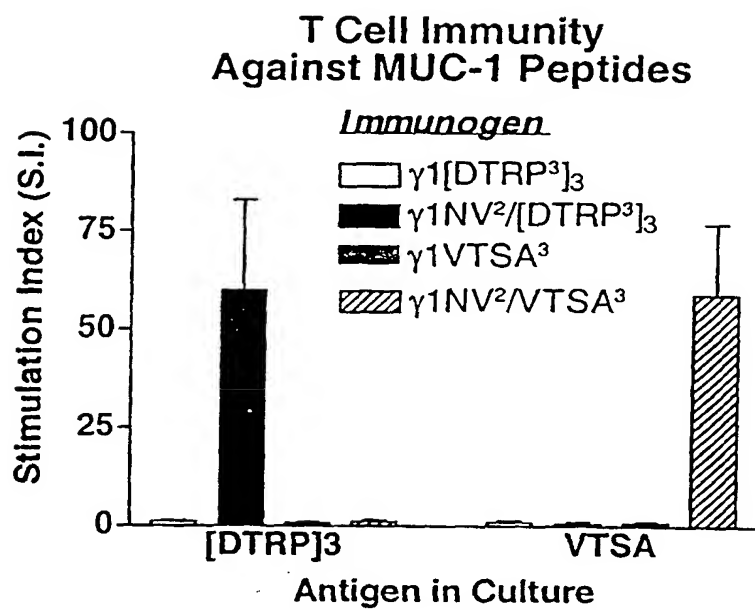


FIGURE 16